Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/29/2018 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124372	-1	1.32	124406	1.31
Blue	F	SSC	125000	123669	-2	1.82	124308	1.80
Blue	E	FITC	15760	15284	-4	2.94	331	22.52
Blue	D	PE	25880	25191	-3	1.93	548	16.98
Blue	B	PerCP-Cy5-5	34075	34010	-1	4.22	1036	22.78
Blue	A	PE-Cy7	22776	22865	0	7.34	553	44.93
Red	C	APC	42488	41349	-3	2.73	1565	13.43
Red	A	APC-Cy7	24478	23891	-3	3.04	822	13.21
Violet	B	V450	6304	6165	-3	4.13	357	17.62
Violet	A	V500	26005	24641	-6	3.72	580	12.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20646	5.42	605	8	N/A	N/A	Pass
Blue	F	SSC	56076	1.23	571	16	N/A	N/A	Pass
Blue	E	FITC	57	75.94	560	4	0.0157	200	Pass
Blue	D	PE	114	57.86	554	5	0.1212	277	Pass
Blue	B	PerCP-Cy5-5	198	54.29	654	7	0.0073	45	Pass
Blue	A	PE-Cy7	108	110.24	707	10	0.0092	24	Pass
Red	C	APC	368	28.51	603	3	0.0196	147	Pass
Red	A	APC-Cy7	202	28.61	574	3	0.0045	752	Pass
Violet	B	V450	60	74.13	494	5	0.0243	2023	Pass
Violet	A	V500	87	45.26	509	3	0.0137	1160	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.83	-31.26	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	16.17	13.60 - 20.40	N/A	N/A	31.04	31.73	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10483

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments